DG Flugzeugbau GmbH
Postfach 4120 76625 Bruchsal
Tel. 07257/890

Technical Note
No. 873/12

Subject : Powerplant / manual revision

Effectivity : DG-800B with Solo engine
Instruction 1 and 8 all ser.no.'s
Instruction 2 up to ser.no. 8-128
Instruction 3 up to ser.no. 8-129
Instruction 4 and 5 up to ser.no. 8-154
Instruction 6 up to ser.no. 8-154 with spindle drive Stross ELT10 (not with spindle drive Magnetic)
Instruction 7 up to ser.no. 8-131

Accomplishment : Instructions 1-6 with the next 25 hour inspection, but latest by May 31. 1999
Instructions 7 and 8 if required

Reason :
1. Manual revision
2. Installation of an additional filter for the primer valve
3. Installation of a spring to the fuel line near the fuel-filter to prevent kinking the line
4. Replacement of the return spring of the muffler lifting cable (which lifts the muffler during engine extension) by a rubber chord
5. Alignment of the muffler
6. Installation of a rubber mount with high strength inside bush at the connection spindledrive to engine mount
7. To reduce rapid wear of the propeller brake pad a shorter brake lever with exchangeable pad has been developed. With the modified gear ratio the brake efficiency is slightly reduced, but the durability of the pad is increased

Instructions :
1. The following manual pages have to be exchanged against new pages issued February 1999. Please regard the marked changes.
Flight manual: 0.1, 0.3-0.5, 3.5, 4.4, 4.5, 4.9, 4.10, 4.12, 4.13, 4.13a, 4.20, 5.12, 7.2, 7.11, 7.12, 7.16, 8.2
Maintenance manual: 1, 2, 3, 4, 4a, 18, 19, 25, 27, 29, 30, 31, 43-46, 49, 57, 63, 67, 68, 69, 90, 91, 92, diagram 13, plan 8EP38, drawing W40
Repair manual: 1, 2, 5, 15
2. Installation of an additional filter for the primer valve according to working instruction No. 1
3. Installation of a spring to the fuel line near the fuel-filter to prevent kinking the line according to working instruction No. 1
4. Replacement of the return spring of the muffler lifting cable by a rubber cord according to working instruction No. 2 and plan 8EP235
5. Checking and aligning of the exhaust system according to working instruction No. 2
6. Check if there is excessive free play at the connection spindledrive to engine mount
7. If 6. applies, replace the rubber mount 8M229 and the bush 8M228 with new parts of higher strength
8. If required the long propellerbrake lever may be exchanged for a shorter brake lever with exchangeable pad (8M287/1,3). Assembly according to drawing 8M267. If the Ducati ignition system is installed, the head of the bolt marked I must be filed down to 3mm (1/8 in) height..

Material :
1. Manual pages see instruction 1.
2. Working instructions 1 and 2 for TN873/12 with parts listed in the instructions, installation plan 8EP235
3. If required: Rubber mount 8M229, bush 8M228, nuts: 1x M10 DIN 985-8 + 4x M6 LN 9348
4. If required: Propellerbrake lever with exchangeable pad 8M287/1,3 installed and drawing 8M276

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Weight and balance : influence negligible

Remarks :
1. Instructions No. 2-8 have been executed by the manufacturer prior to delivery for all serial no.'s higher than listed above..
2. With the manual pages see instruction 1 further pages for two modifications ÄM 800/5/99 and 800/6/99 will be distributed , see the revision records of the manuals.
3. Instructions No. 2-8 are to be executed by the manufacturer or by a licensed workshop and to be inspected and entered in the aircraft logs by a licensed inspector.

Bruchsal, date: 9.03.99

Author:
Dipl. Ing. Wilhelm Dirks

LBA – approved:

The German original of this TN has been approved by the LBA under the date of and is signed by Mr. Fendt. The translation into English has been done by best knowledge and judgement.

Type certification inspector:
Dipl. Ing. Swen Lehner